

Name: ANDREI VALENTIN MEDVEDOVICI



Date of birth: November 29th, 1961

Place of birth: Bucharest

E-mail: avmedved@yahoo.com

Nationality: Romanian

Civil status: married

Education:

Date	Earned Degree(s) or Diploma(s) / Institution
1980	Bachelor, Industrial College no. 33, Bucharest.
1984	B.Sc., Polytechnic Institute of Bucharest, Faculty of Chemistry.
1985	M.Sc. in Analytical Chemistry, Polytechnic Institute of Bucharest, Faculty of Chemistry.
1994	Ph.D., University of Bucharest, Faculty of Chemistry (thesis entitled “Metal Complexes in Chromatographic Techniques”, coordinator Prof. Dr. G.E. Baiulescu)

Professional experience:

Period	Location	Institution / Company	Position	Description
1985 - 1988	Romania, Făgăraș	Research Centre for Technological Engineering	Chemist	Optimisation of technological process, chemistry of explosives
1988 -1990	Romania, Bucharest	Research Institute Dr. I. Cantacuzino	Researcher	Laboratory for microbiological growth substrates
1990 - 1998	Romania, Bucharest	University of Bucharest, Faculty of Chemistry	Teaching Ass.	Qualitative analytical chemistry, Separation sciences, Trace analysis (courses held in French and English), Separation methods, Chromatography, Multidimensional and hyphenated chromatographic techniques, Chromatographic methods in medical analysis, Mass spectrometry
1998 - 2000			Lecturer	
2000 - 2005			Assoc. Prof.	
since 2005			Professor	
since 2006			Ph.D. Coord.	
since 2016			Dean of the Faculty of Chemistry	
1997 - 2000	Romania, Bucharest	SINDAN	QA consultant	Implementation of GMP/GLP
1997 - 2002	Romania, Bucharest	Labormed Pharma	QA consultant	Quality control, validation of analytical methods, qualification of equipments, process validation, bioequivalence
2002 - 2009			R&D manager	
2009 - 2013	Romania, Bucharest	Labormed Group	Scientific Director	Bioanalysis

Study grants:

Period	Institution	Position	Description
1991 - 1992	University of Ghent (RUG), Belgium	Ph.D. student	Separation sciences, metal complexes and applications in chromatographic techniques
1994 - 1996	University of Ghent (RUG), Belgium	Post Doc.	HPLC, SFC, GC/MS applications in environmental, food, chiral separation field; Hyphenated techniques

Language skills: (1-Excellent; 5-Basic)

Language	Reading	Speaking	Writing
French	1	1	2
English	2	3	2

Membership of professional bodies: Romanian Society of Chemistry

Other affiliations: 2011-2013 - Member of the National Center of Scientific Research (CNCS), Chemistry Commission; 2011-2014 - Member of the Chemistry and Chemical Engineering commission of CNADTCU; since 2016 - Member of the Chemistry Commission of CNADTCU; 2011-2015 - Member of the Senate of the University of Bucharest.

Awards: C.D. Nenitescu award of the Romanian Academy, December 2009; Gh. Spacu award of the Romanian Society of Chemistry, June 2019.

Associate editor: since 2014 - Journal of Liquid Chromatography & Related Technologies (Taylor & Francis Group, U.S.A.) – ISSN 1082-6076.

Editorial board member: Bioanalysis (Future Science Ltd., U.K.) – ISSN 1757-6199.

Advisory board member for journals: Journal of Chromatography A, Analytica Chimica Acta, Food Chemistry, Journal of Chromatography B, Journal of Pharmaceutical and Biomedical Analysis, Analytical Bioanalytical Chemistry, Chemolab, Chromatographia, Drug Research, Analytical Letters, European Journal of Pharmaceutics and Biopharmaceutics, International Journal of Environmental Analytical Chemistry, Journal of Medicinal Plant Research, Scientia Pharmaceutica, Journal of Separation Science, Revue Roumaine de Chimie; Revista de Chimie, Studia Universitatis Chemia UBB.

Other relevant information: invited scientist

#	Period	Institution	Domain
1	Aug.-Oct. 1997		On-line SPE /HPLC or SFC
2	Aug.-Oct. 1998	Research Institute for Chromatography,	SFC/SFC/UV
3	Aug.-Oct. 1999	Kortrijk, Belgium	SFE/GC/MS
4	Aug.-Oct. 2000		SFC/MS of polysaccharides
5	Aug.-Oct. 2001		SFC/MS in Pharma applications

Competence profile: Separation sciences; Sample preparation (LLE, SPE, SPME, SFE); Chromatographic techniques (HPLC, PC-SFC, CGC); Detection in chromatographic techniques (DAD, FLD, RID, ELSD; MS and MS/MS); Automation in chromatography (on-line SPE/HPLC); Multidimensional/comprehensive chromatography (LC/LC; LC/GC; SFC/LC); Hyphenation in separation techniques (LC/MS-MS, SFC/MS-MS, CGC/MS); Development and validation of separation methods; Qualification of the analytical instrumentation; Application fields: bioanalysis, pharmaceuticals, environmental, food chemistry.

Participation to projects:

1. Short term expert for the project „Appui technique du Département de Toxicologie de l'INCC en vue de l'accréditation ISO 17025”, Alger, Algeria, as part of the action EuropeAid/12917/D/SER/DZ.
2. Team member, Project PN-II-ID-PCE-2012-4-0651, period 2012-2015.
3. Team leader, Project PN_II_ID_PCE_2011_3_0152, period 2011-2014, entitled “Large volume injection of diluents non-miscible with the mobile phase in HPLC”.
4. Team manager/Chemistry Section, EPTISA Projectos Internationales S.A., for EU Phare (Europe Aid/115101/D/SV/RO/1 – Strengthening of the institutional and administrative capacity of MoH to adopt and implement the acquis communautaire in the field of water and health related risks”, 2004-2005).
5. Training responsible, subcontract no. 540789, Project Phare RO, 2004/IB/Ag-01, Ministry of Agriculture, 2004.
6. Team member, Leonardo DaVinci Project (“Training Module for Environmental monitoring and pollution control”, RO-02BFPP-141004, coordinator Prof. Dr. A. Danet, Univ. of Bucharest, 2004).
7. Team member, CEEX project 107/09.10.2006 (“Nanostructure azopolymers and their application in microelectronics and biology”, coordinator Prof. Dr. N. Hurduc, Tech. Univ. Gh. Asachi, Iasi).

8. Project manager, contract 927/02.12.2004 between Labormed Pharma and the University of Bucharest.

9. Bioanalytical study director for **75 bioequivalence studies** for generic pharmaceutical products with oral administration at Labormed Pharma, Bucharest, Romania.

Trainer: (training sessions having duration between 3 and 5 days, as a single trainer)

#	Beneficiary	Training Title	Date
1	Coca-Cola Romania s.r.l.	New trends in GC	Ian. 2004
2	Coca-Cola Romania s.r.l.	Gas Chromatography – system qualification and method validation	Oct. 2006
3	Regia Apele Romane	Chromatographic methods in water control	Dec. 2007
4	Inspectorate for Public Veterinary Health Bucharest (ISPVB)	Basic aspects in chromatographic techniques. Applications in food quality control.	May 2005
5	Zentiva (Sanofi Aventis) Romania	Chromatographic Methods	Nov. 2010
6	Sindan, Romania	Revisiting liquid chromatography from a highly regulated perspective	Sept. 2013
7.	Swisscaps, Cornu, Romania	Metode cromatografice de separare	July 2014
8.	Regia Apele Romane	Aspecte fundamentale în spectrometria de masă	July 2015
9.	Labormed Pharma - Alvogen	Controlul analitic al formelor farmaceutice cu administrare orală	July 2018

Publications: ISI indexed: Number - Journal Titles: 130

Revue Roumaine de Chimie - 16; Biomedical Chromatography - 11; Journal of Liquid Chromatography & Related Tehnology - 10; Journal of Pharmaceutical and Biomedical Chromatography - 10; Analytical Letters - 7; Bioanalysis - 5; Journal of Chromatography A - 5; Journal of Chromatography B - 5; Chemia Analityczna - 4; Expert Opinion in Drug Metabolism and Toxicology - 4; Microchemical Journal - 4; Talanta - 4; High Resolution Chromatography & Chromatography Communications - 3; Journal of Separation Science - 3; Analytical Methods - 2; Annali di Chimica - 2; Journal of Cultural Heritage - 2; Journal of Microcolumn Separations - 2; Water Research - 2; Acta Endocrinologica - 1; Advances in Chromatography - 1; Arzneimittel Forschung Drug Research - 1; Catalysis Today - 1; Central European Journal of Chemistry - 1; Chemistry a European Journal - 1; Chirality - 1; Chromatographia -1; Comptes Rendus Chimie - 1; European Journal of Drug Metabolism and Pharmacokinetics -1; European Neuropsychopharmacology - 1; Farmacia -1; Heritage Science - 1; Industria Textila -1; Journal of

Applied Toxicology -1; Journal of Catalysis -1; Journal of Chemical Information and Computer Science - 1; Journal of Chemometrics - 1; Journal of Chromatographic Science - 1; Journal of High Resolution Chromatography - 1; Journal of Inclusion Phenomena and Macrocyclic Chemistry - 1; LC-GC Europe - 2; New Journal of Chemistry - 1; Nukleonika - 1; Plasma Processes and Polymers - 1; Radiation Physics and Chemistry - 1; Romanian Reports in Physics - 1; Separation Sciences and Technology - 1.

Scientific metrics: ISI publications: Total number of publications: **130**; Publications: Q1 - 24; Q2 - 38; Q3 - 29; Q4 - 39; Publications as first/correspondence author: **57**; Publications in the red/yellow zone of AIS ranking as first/correspondence author: **33**; Cumulated impact factors of the journals: **262.1** (*Impact factors 2018*).

Non-ISI:

Buletinul Societatii de Chimie din Romania (1); Analele Universitatii Bucuresti (2); Archives of the Medical Balkan Union (1); European Pharmaceutical Review (1); International Environmental Technology (2); Proceedings of the International Symposium of Capillary Chromatography (5); Southern Brazilian Journal of Chemistry (1);

Total: 13 (9 in international journals).

Chapters in books/encyclopedias, published courses

Chapters in books/encyclopedias: **21**; **4** chapters in books (international publishers); **6** chapters in books (national publisher); **10** chapters in international encyclopedias – Encyclopedia of Chromatography (4); Encyclopedia of Separation Science (1); Encyclopedia of Analytical Science (5); Encyclopedia of Endocrinology and Endocrine Diseases (1).

Published courses: **5** (University of Bucharest Publishing House).

Oral presentation/conferences: **more than 58**; **~ 14** at international events abroad Romania.

Hirsch indices: **21** (acc. to Clarivate Analytics - Web of Sciences); **22** (acc. to Scopus); **27** (acc. to Google Scholar); **23** (acc. to Research Gate, **RG score = 37.44**); **26** (acc. to Mendeley-Elsevier).

Citations: **1787** (*total*) **1577** (*excluding self-citations*), acc. to Clarivate Analytics - Web of Sciences; **1926** (*total*) **1713** (*excluding self-citations*), acc. to Scopus; **2682** (*total*), acc. to Google Scholar; **1953** (*total*), acc. to Research Gate; **2641** (*total*), acc. to Mendeley-Elsevier.

July 19th, 2019



GRAD INDEPLINIRE CONDITII CNATDCU

Titular (nume/prenume): MEDVEDOVICI ANDREI VALENTIN
Grad didactic: Profesor
Departament: Chimie Analitică

Categorie	N _{max} (*)	FIC (**)	FIC _D (***)	FIC _{AP} (****)	FIC _{AC} (*****)	h index
Profesor / CS1 / Habilitare	50	100	70	50	25	13
Conferențiar / CS2	30	50	-	20	-	9
Realizat de titular	50	128,9	128.9	106.2	69.4	21
Grad de îndeplinire al criteriului minimal (%)		128.9%	184.1%	212.4%	277.6%	161.5%

Informație suplimentară (nu este criteriu minimal CNATDCU): Număr total de lucrări publicate (2018 inclusiv): 128

- (*) N_{max} - primele maxim N lucrări, organizate în ordinea descrescătoare a factorilor de impact al revistelor în care au fost publicate;
 (**) FIC - factorul de impact minimal al revistelor în care s-au publicat lucrările în cauză;
 (***) FIC_D - factorul de impact cumulat minimal din publicații în domeniile de cercetare declarate;
 (****) FIC_{AP} - factorul de impact cumulat minimal din publicații în calitate de autor principal (prim autor și autor de corespondență);
 (*****) FIC_{AC} - factorul de impact cumulat minimal din publicații în calitate de autor de corespondență.
 h index - conform ISI (Clarivate Analytics)

1. *Capitolele de cărți se echivalează cu articole cu FI = 2 (doi) în cărțile prezente în mai mult de 150 de biblioteci (vizibile în motorul de căutare UEFISCDI).*
2. *Brevetele internaționale (de tipul EU, WO) se echivalează fiecare cu un articol cu FI = 4 (patru).*

LISTA LUCRARI - MEDVEDOVICI ANDREI VALENTIN

#	Autori	Titlu	Prim autor	Autor coresp.	Ptr. Criterii CNADTCU	An	Revista	*	I.F. (2018)	Cvartila	Volum	Nr.	Art. No.	Pag. start	Pag. Sfarsit	Citari	DOI
1	Petroviciu, I., Teodorescu, I., Albu, F., Virgolici, M., Nagoda, E., Medvedovici, A.	Dyes and biological sources in nineteenth to twentieth century ethnographic textiles from Transylvania, Romania				2019	<i>Heritage Science</i>		2.165	Q2	7	1	15				10.1186/s40494-019-0255-0
2	Vasilca, S., Virgolici, M., Cutrubinis, M., Moise, V., Stanculescu, I., Tran, Q.K., Medvedovici, A.	TD-GC-FID based approach for monitoring indoor borne styrene and optimization of irradiation conditions for radiopolymerization in consolidated artifacts		X		2019	<i>Journal of Liquid Chromatography and Related Technologies</i>		0.987	Q4	42	7		217	224		10.1080/10826076.2019.1596126
3	Iorgulescu E., Voicu V.A., Sârbu C., Tache F., Albu F., Stanculescu I., Medvedovici A.	Holistic evaluation of gamma-irradiation effects on green teas: New linear regression based approach applied to (+/-)ESI/MS and RPLC/UV data and comparison with PCA and CA chemometric methods		X		2018	<i>Radiation Physics and Chemistry</i>		1.453	Q1	149			126	133		10.1016/j.radphyschem.2018.04.012
4	Medvedovici A., Bacalum E., David V.	Sample preparation for large-scale bioanalytical studies based on liquid chromatographic techniques	X			2018	<i>Biomedical Chromatography</i>		1.688	Q3	32	1	e4137			3	10.1002/bmc.4137
5	Perdum E., Medvedovici A.V., Tache F., Visileanu E., Dumitrescu I., Mitran C.-E., Iordache O.-G., Radulescu I.R.	Some validation aspects on the analytical method for assaying carcinogenic amines from textile dyes				2018	<i>Industria Textila</i>	1	0.438	Q3	69	3		249	256		
6	Petroviciu I., Albu F., Cretu I., Virgolici M., Medvedovici A.	Investigation of natural dyes in 15th c. documents seal threads from the Romanian Academy Library, by LC-DAD-MS (triple quadrupole)				2017	<i>Journal of Cultural Heritage</i>		1.706	Q3	28			164	171		10.1016/j.culher.2017.05.015
7	Iorgulescu E., Voicu V.A., Sârbu C., Tache F., Albu F., Medvedovici A.	Experimental variability and data pre-processing as factors affecting the discrimination power of some chemometric approaches (PCA, CA and a new algorithm based on linear regression) applied to (+/-)ESI/MS and RPLC/UV data: Application on green tea extracts		X	1	2016	<i>Talanta</i>		4.244	Q1	155			133	144	7	10.1016/j.talanta.2016.04.042
8	Voicu V.A., Medvedovici A.V., Sakurada K., Ohta H., Rădulescu F.Ş., Miron D.S.	The forgotten or underestimated relevance of biopharmaceutical-based assessments for the oral absorption studies of oxime reactivators				2016	<i>Expert Opinion on Drug Metabolism and Toxicology</i>		3.151	Q2	12	7		743	752	1	10.1080/17425255.2016.1179282
9	Ionita G., Madalan A.M., Ariciu A.M., Medvedovici A., Ionita P.	Synthesis of novel TEMPO stable free (poly)radical derivatives and their host-guest interaction with cucurbit[6]uril				2016	<i>New Journal of Chemistry</i>		3.201	Q2	40	1		503	511	6	10.1039/c5nj01518a
10	Voicu V., Radulescu F.S., Medvedovici A.	Relationships between the antidotal efficacy and structure, PK/PD parameters and bio-relevant molecular descriptors of AChE reactivating oximes: Inclusion and integration to biopharmaceutical classification systems		X	2	2015	<i>Expert Opinion on Drug Metabolism and Toxicology</i>		3.151	Q2	11	1		95	109	8	10.1517/17425255.2015.980813

11	Micăle F., Albu F., Iorgulescu E.-E., Medvedovici A., Tache F.	Ethyl Lactate as a Greener Alternative to Acetonitrile in RPLC: A Realistic Appraisal				2015	<i>Journal of Chromatographic Science</i>		1.037	Q4	53	10		1701	1707	3	10.1093/chromsci/bmv077
12	Lăzăr P., Udrescu S., Tache F., Albu F., Grinberg N., Medvedovici A.	Revisiting large volume injection in non-miscible diluents: An on-line reversed phase supported liquid extraction/liquid chromatography scenario	X		3	2015	<i>Analytical Methods</i>		2.073	Q2	7	1		342	352		10.1039/c4ay02332c
13	Iorgulescu E.E., Albu F., Tache F., Medvedovici A.	On the HPLC/MS-MS assay of ephedrine in urine: An experimental appraisal				2014	<i>Revue Roumaine de Chimie</i>	2	0.370	Q4	59	11-Dec		1047	1057		
14	Voicu V., Sârbu C., Tache F., Micăle F., Rădulescu Ș.F., Sakurada K., Ohta H., Medvedovici A.	Lipophilicity indices derived from the liquid chromatographic behavior observed under bimodal retention conditions (reversed phase/hydrophilic interaction): Application to a representative set of pyridinium oximes	X		4	2014	<i>Talanta</i>		4.244	Q1	122			172	179	8	10.1016/j.talanta.2014.01.048
15	Medvedovici A., Albu F., Nașcu-Briciu R.D., Sârbu C.	Fuzzy clustering evaluation of the discrimination power of UV-Vis and (±) ESI-MS detection system in individual or coupled RPLC for characterization of Ginkgo Biloba standardized extracts	X	X	5	2014	<i>Talanta</i>		4.244	Q1	119			524	532	8	10.1016/j.talanta.2013.11.035
16	David V., Cheregi M., Medvedovici A.	Alternative sample diluents in bioanalytical LC-MS				2013	<i>Bioanalysis</i>		2.478	Q2	5	24		3051	3061	5	10.4155/bio.13.275
17	Voicu V., Medvedovici A., Ranetti A.E., Rădulescu F.Ș.	Drug-induced hypo- and hyperprolactinemia: Mechanisms, clinical and therapeutic consequences				2013	<i>Expert Opinion on Drug Metabolism and Toxicology</i>		3.151	Q2	9	8		955	968	24	10.1517/17425255.2013.791283
18	Cheregi M., Albu F., Udrescu Ș., Răducanu N., Medvedovici A.	Greener bioanalytical approach for LC/MS-MS assay of enalapril and enalaprilat in human plasma with total replacement of acetonitrile throughout all analytical stages	X		6	2013	<i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i>		2.441	Q2	927			124	132	12	10.1016/j.jchromb.2012.11.023
19	Magureanu M., Dobrin D., Mandache N.B., Bradu C., Medvedovici A., Parvulescu V.I.	The mechanism of plasma destruction of enalapril and related metabolites in water				2013	<i>Plasma Processes and Polymers</i>		2.700	Q1	10	5		459	468	12	10.1002/ppap.201200146
20	Voicu V., Albu F., Tache F., Musilek K., Kuca K., Medvedovici A.	LC-MS/MS approaches for the assay of bis-quaternary pyridinium oximes used as AChE reactivators in biological matrices	X		7	2013	<i>Bioanalysis</i>		2.478	Q2	5	7		793	809	2	10.4155/bio.13.41
21	Tache F., Udrescu S., Albu F., Micăle F., Medvedovici A.	Greening pharmaceutical applications of liquid chromatography through using propylene carbonate-ethanol mixtures instead of acetonitrile as organic modifier in the mobile phases	X		8	2013	<i>Journal of Pharmaceutical and Biomedical Analysis</i>		2.831	Q2	75			230	238	19	10.1016/j.jpba.2012.11.045
22	Grinberg N., Albu F., Fandrick K., Iorgulescu E., Medvedovici A.	Assay at low ppm level of dimethyl sulfate in starting materials for API synthesis using derivatization in ionic liquid media and LC-MS	X		9	2013	<i>Journal of Pharmaceutical and Biomedical Analysis</i>		2.831	Q2	75			1	6	9	10.1016/j.jpba.2012.11.016
23	Voicu V., Rădulescu F.Ș., Medvedovici A.	Toxicological considerations of acetylcholinesterase reactivators	X		10	2013	<i>Expert Opinion on Drug Metabolism and Toxicology</i>		3.151	Q2	9	1		31	50	8	10.1517/17425255.2013.736489
24	Medvedovici A., Udrescu S., David V.	Use of a green (bio) solvent - limonene - as extractant and immiscible diluent for large volume injection in the RPLC-tandem MS assay of statins and related metabolites in human plasma	X		11	2013	<i>Biomedical Chromatography</i>		1.688	Q3	27	1		48	57	16	10.1002/bmc.2747

25	Finch K.B.H., Richards R.M., Richel A., Medvedovici A.V., Gheorghe N.G., Verziu M., Coman S.M., Parvulescu V.I.	Catalytic hydroprocessing of lignin under thermal and ultrasound conditions				2012	<i>Catalysis Today</i>		4.667	Q1	196	1		3	10	15	10.1016/j.cattod.2012.02.051
26	Petrovičiu I., Medvedovici A., Albu F., Cretu I., Vanden Berghe I.	LC-MS as analytical technique for the identification of natural dyes in historic textiles				2012	<i>Romanian Reports in Physics</i>	3	1.582	Q3	64	2		507	515	1	
27	Magureanu M., Piroi D., Mandache N.B., Bradu C., Medvedovici A., Parvulescu V.I.	Degradation of pharmaceutical compounds in aqueous solution using non-thermal plasma				2012	<i>Proceedings of the International Conference on Optimisation of Electrical and Electronic Equipment, OPTIM</i>						6E+06	1375	1379	1	10.1109/OPTIM.2012.6231955
28	Galaon T., Radulescu M., David V., Medvedovici A.	Use of an immiscible diluent in ionic liquid / ion pair LC for the assay of an injectable analgesic	X		12	2012	<i>Central European Journal of Chemistry</i>		1.460	Q3	10	4		1360	1368	6	10.2478/s11532-012-0059-5
29	Voicu V.A., de Leon J., Medvedovici A.V., Rădulescu F.T., Miron D.S.	New insights on the consequences of biotransformation processes on the distribution and pharmacodynamic profiles of some neuropsychotropic drugs				2012	<i>European Neuropsychopharmacology</i>		4.129	Q1	22	5		319	329	7	10.1016/j.euroneuro.2011.08.004
30	Georgiță C., Albu F., David V., Medvedovici A., Monciu C.M.	Linearization of the MS response function: Case study for metformin assay in plasma samples for bioequivalence purposes				2012	<i>Biomedical Chromatography</i>		1.688	Q3	26	2		208	213	4	10.1002/bmc.1647
31	Tache F., Nașcu- Briciu R.D., Sârbu C., Micăle F., Medvedovici A.	Estimation of the lipophilic character of flavonoids from the retention behavior in reversed phase liquid chromatography on different stationary phases: A comparative study	X		13	2012	<i>Journal of Pharmaceutical and Biomedical Analysis</i>		2.831	Q2	57	1		82	93	17	10.1016/j.jpba.2011.08.044
32	Petrovičiu I., Vanden Berghe I., Cretu I., Albu F., Medvedovici A.	Identification of natural dyes in historical textiles from Romanian collections by LC- DAD and LC-MS (single stage and tandem MS)	X		14	2012	<i>Journal of Cultural Heritage</i>		1.706	Q3	13	1		89	97	20	10.1016/j.culher.2011.05.004
33	Medvedovici A., Albu F., Hamdi A., Souane R., Kim L., Mutihac L., Vicens J.	Mass spectrometric behavior of functionalized calix[4]arenes: The screening ability of host-guest complex formation with amino acid methyl esters	X			2011	<i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i>		1.316	Q3	71	03- Apr		545	555	2	10.1007/s10847-010-9860-y
34	Medvedovici A., Udrescu S., Albu F., Tache F., David V.	Large-volume injection of sample diluents not miscible with the mobile phase as an alternative approach in sample preparation for bioanalysis: An application for fenspiride bioequivalence	X		15	2011	<i>Bioanalysis</i>		2.478	Q2	3	17		1935	1947	13	10.4155/bio.11.148
35	Radulescu M., Voicu V., Medvedovici A., David V.	Retention study of some cation-type compounds using bile acid sodium salts as ion pairing agents in liquid chromatography				2011	<i>Biomedical Chromatography</i>		1.688	Q3	25	8		873	878	6	10.1002/bmc.1531
36	Voicu V., Gheorghe M.C., Sora I.D., Sârbu C., Medvedovici A.	Incurred sample reanalysis: Different evaluation approaches on data obtained for spironolactone and its active metabolite canrenone	X		16	2011	<i>Bioanalysis</i>		2.478	Q2	3	12		1343	1356	7	10.4155/bio.11.83
37	Magureanu M., Piroi D., Mandache N.B., David V., Medvedovici A., Bradu C., Parvulescu V.I.	Degradation of antibiotics in water by non- thermal plasma treatment			17	2011	<i>Water Research</i>		7.051	Q1	45	11		3407	3416	106	10.1016/j.watres.2011.03.057

38	Udrescu S., Sora I.D., Albu F., David V., Medvedovici A.	Large volume injection of 1-octanol as sample diluent in reversed phase liquid chromatography: Application in bioanalysis for assaying of indapamide in whole blood	X	18	2011	<i>Journal of Pharmaceutical and Biomedical Analysis</i>	2.831	Q2	54	5	1163	1172	21	10.1016/j.jpba.2010.12.005	
39	Medvedovici A., Sora I.D., Radulescu M., David V.	Discontinuous double mechanism for the retention of some cation-type oximes on a hydrophilic stationary phase in liquid chromatography	X	19	2011	<i>Analytical Methods</i>	2.073	Q2	3	2	241	244	5	10.1039/c0ay00609b	
40	Petroviciu I., Creangă D., Melinte I., Crețu I., Medvedovici A., Albu F.	The use of LC-MS in the identification of natural dyes in the epitaphios from Sucevița Monastery (15th century)			2011	<i>Revue Roumaine de Chimie</i>	4	0.370	Q4	56	2	161	168	3	
41	Galaon T., Mihailciuc C., Medvedovici A., David V.	The influence of mobile-phase flow-rate in RP-LC on thermodynamic parameters studied for polar compounds			2011	<i>Journal of Liquid Chromatography and Related Technologies</i>		0.827	Q4	34	7	521	536	3	10.1080/10826076.2011.556974
42	Voicu V.A., Bajgar J., Medvedovici A., Radulescu F.S., Miron D.S.	Pharmacokinetics and pharmacodynamics of some oximes and associated therapeutic consequences: A critical review			2010	<i>Journal of Applied Toxicology</i>		2.909	Q2	30	8	719	729	37	10.1002/jat.1561
43	Sora D.I., Udrescu T., Albu F., David V., Medvedovici A.	Analytical issues in HPLC/MS/MS simultaneous assay of furosemide, spironolactone and canrenone in human plasma samples		20	2010	<i>Journal of Pharmaceutical and Biomedical Analysis</i>		2.831	Q2	52	5	734	740	28	10.1016/j.jpba.2010.03.004
44	Voicu V., Sora I., Sârbu C., David V., Medvedovici A.	Hydrophobicity/hydrophilicity descriptors obtained from extrapolated chromatographic retention data as modeling tools for biological distribution: Application to some oxime-type acetylcholinesterase reactivators	X	21	2010	<i>Journal of Pharmaceutical and Biomedical Analysis</i>		2.831	Q2	52	4	508	516	22	10.1016/j.jpba.2010.02.004
45	Medvedovici A., Albu F., David V.	Handling drawbacks of mass spectrometric detection coupled to liquid chromatography in bioanalysis	X		2010	<i>Journal of Liquid Chromatography and Related Technologies</i>		0.827	Q4	33	09-Dec	1255	1286	7	10.1080/10826076.2010.484375
46	Petroviciu I., Albu F., Medvedovici A.	LC/MS and LC/MS/MS based protocol for identification of dyes in historic textiles	X	22	2010	<i>Microchemical Journal</i>		2.746	Q2	95	2	247	254	39	10.1016/j.microc.2009.12.009
47	Sora D.I., Cristea E., Albu F., David V., Medvedovici A.	Bioanalysis of pentoxifylline and related metabolites in plasma samples through LC-MS/MS			2010	<i>Biomedical Chromatography</i>		1.688	Q3	24	6	663	674	7	10.1002/bmc.1343
48	Magureanu M., Piroi D., Mandache N.B., David V., Medvedovici A., Parvulescu V.I.	Degradation of pharmaceutical compound pentoxifylline in water by non-thermal plasma treatment		23	2010	<i>Water Research</i>		7.051	Q1	44	11	3445	3453	137	10.1016/j.watres.2010.03.020
49	Albu M., Medvedovici A., Tache F.	HPLC/DAD assay of cyclohexanamine as related impurity in glipizide through derivatization with o-phthalaldehyde			2010	<i>Analytical Letters</i>		1.206	Q3	43	7	1162	1171	1	10.1080/00032710903518591
50	Voicu V., Medvedovici A., Radulescu M., Iorgulescu E.-E., David V.	Unusual retention behavior of some cationic-type aldoximes used as AChE reactivators under ion-pairing liquid chromatographic mechanism			2010	<i>Analytical Letters</i>		1.206	Q3	43	7	1267	1276	5	10.1080/00032710903518682
51	Albu F., Sora I., Tache F., David V., Medvedovici A.	On-line SPE on restricted access adsorbent for HPLC-MS/MS analysis of felodipine in plasma samples	X	24	2010	<i>Analytical Letters</i>		1.206	Q3	43	7	1330	1343	6	10.1080/00032710903518740
52	Virgolic M., Petroviciu I., Teodor E., Lifescu S., Manea M., Ponta C., Niculescu G., Sârbu C., Medvedovici A.	TD/CGC/MS and FT-IR characterization of archaeological amber artefacts from roumanian collections (Roman age)			2010	<i>Revue Roumaine de Chimie</i>	5	0.370	Q4	55	5	349	355	6	

53	Voicu V.A., Medvedovici A., Miron D., Rădulescu F.	A novel approach on pharmacokinetic/pharmacodynamic correlations of risperidone: Understanding its safety and efficacy profiles				2010	<i>Acta Endocrinologica</i>	6	0.411	Q4	6	2		265	285	5	10.4183/aeb.2010.265
54	Vîrgolici M., Ponta C., Manea M., Neagu D., Cutrubinis M., Moise I., Șuvăilă R., Teodor E., Sârbu C., Medvedovici A.	Thermal desorption/gas chromatography/mass spectrometry approach for characterization of the volatile fraction from amber specimens: A possibility of tracking geological origins			25	2010	<i>Journal of Chromatography A</i>		3.716	Q1	1217	12		1977	1987	13	10.1016/j.chroma.2010.01.075
55	Moș A.C., Sopenar F., Medvedovici A., Sârbu C.	Simultaneous spectrophotometric determination of aspirin, paracetamol, caffeine, and chlorphenamine from pharmaceutical formulations using multivariate regression methods				2010	<i>Analytical Letters</i>		1.206	Q3	43	5		804	813	29	10.1080/00032710903486260
56	Udrescu S., Sora I.D., David V., Medvedovici A.	Large volume injection of hexane solutions in RP-LC/UV to enhance on sensitivity of the assay of ginkgolic acids in ginkgo biloba standardized extracts				2010	<i>Journal of Liquid Chromatography and Related Technologies</i>		0.827	Q4	33	1		133	149	11	10.1080/10826070903430514
57	Virgolici M., Medvedovici A.V., Manea M.M., Cutrubinis M., Moise I.V., Georgescu R.	A study on optimization of sample preparation for gas chromatographic methods used in routine irradiated foodstuffs detection				2009	<i>Nukleonika</i>		0.720	Q4	54	2		115	121	1	
58	Medvedovici A., Abu F., Sora I.D., Udrescu S., Galaon T., David V.	Assay of free captopril in human plasma as monobromobimane derivative, using RPLC/(+)ESI/MS/MS: Validation aspects and bioequivalence evaluation	X		26	2009	<i>Biomedical Chromatography</i>		1.688	Q3	23	10		1092	1100	9	10.1002/bmc.1229
59	David V., Galaon T., Caiali E., Medvedovici A.	Competitional hydrophobicity driven separations under RP-LC mechanism: Application to sulfonylurea congeners				2009	<i>Journal of Separation Science</i>		2.415	Q2	32	18		3099	3106	8	10.1002/jssc.200900356
60	Albu M., David V., Tache F., Medvedovici A.	HPLC/DAD assay of related impurity ethyl-4-oxopiperidine-1-carboxylate in loratadine through derivatization with 2,4-dinitrophenylhydrazine				2009	<i>Journal of Liquid Chromatography and Related Technologies</i>		0.827	Q4	32	17		2569	2583	2	10.1080/10826070903249757
61	Sora D.I., Stefanescu V., David V., Medvedovici A.	Validation of an LC-MS/MS assay of terpene trilactones in Ginkgo biloba extracts and pharmaceutical formulations through standard addition method				2009	<i>Journal of Pharmaceutical and Biomedical Analysis</i>		2.831	Q2	50	3		459	468	19	10.1016/j.jpba.2009.05.040
62	Sandulovici R., Prasacu I., Mircioiu C., Voicu V., Medvedovici A., Anuța V.	Mathematical and phenomenological criteria in selection of pharmacokinetic model for M1 metabolite of pentoxifylline				2009	<i>Farmacia</i>	7	1.507	Q4	57	2		235	246	13	
63	Medvedovici A., Farca A., David V.	Derivatization reactions in liquid chromatography for drug assaying in biological fluids	X		27	2009	<i>Advances in Chromatography</i>		0.250	Q4	47			283	322	9	
64	Sora I., Cristea E., Abu F., Udrescu S., David V., Medvedovici A.	LC-MS/MS assay of quinapril and its metabolite quinaprilat for drug bioequivalence evaluation: Prospective, concurrent and retrospective method validation		X	28	2009	<i>Bioanalysis</i>		2.478	Q2	1	1		71	86		10.4155/bio.09.5
65	Medvedovici A., Sora D.I., Ionescu S., Hillebrand M., David V.	Characterization of a new norfloxacin metabolite monitored during a bioequivalence study by means of mass spectrometry and quantum computation	X		29	2008	<i>Biomedical Chromatography</i>		1.688	Q3	22	10		1100	1107	6	10.1002/bmc.1031
66	Udrescu S., Medvedovici A., David V.	Effect of large volume injection of hydrophobic solvents on the retention of less hydrophobic pharmaceutical solutes in RP-LC				2008	<i>Journal of Separation Science</i>		2.415	Q2	31	16-17		2939	2945	20	10.1002/jssc.200800299

67	Georgita C., Albu F., David V., Medvedovici A.	Nonlinear calibrations on the assay of diltiazem and two of its metabolites from plasma samples by means of liquid chromatography and ESI/MS2 detection: Application to a bioequivalence study				2008	<i>Biomedical Chromatography</i>		1.688	Q3	22	3		289	297	17	10.1002/bmc.927
68	Galaon T., Medvedovici A., David V.	Hydrophobicity parameter (log Kow) estimation for some phenolic compounds of pharmaceutical interest from retention studies with mobile phase composition in reversed-phase liquid chromatography				2008	<i>Separation Science and Technology</i>		0.779	Q2	43	1		147	163	10	10.1080/01496390701764858
69	Sora D.I., Udrescu S., David V., Medvedovici A.	Validated ion pair liquid chromatography/fluorescence detection method for assessing the variability of the loratadine metabolism occurring in bioequivalence studies				2007	<i>Biomedical Chromatography</i>		1.688	Q3	21	10		1023	1029	17	10.1002/bmc.845
70	Coman S.M., Florea M., Parvulescu V.I., David V., Medvedovici A., De Vos D., Jacobs P.A., Poncelet G., Grange P.	Metal-triflate ionic liquid systems immobilized onto mesoporous MS41 materials as new and efficient catalysts for N-acylation				2007	<i>Journal of Catalysis</i>		6.759	Q1	249	2		359	369	33	10.1016/j.jcat.2007.04.022
71	Georgita C., Albu F., David V., Medvedovici A.	Simultaneous assay of metformin and glibenclamide in human plasma based on extraction-less sample preparation procedure and LC/APCI)MS		X	30	2007	<i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i>		2.441	Q2	854	01-Feb		211	218	55	10.1016/j.jchromb.2007.04.032
72	Sora I., Galaon T., David V., Medvedovici A.	Determination of nimesulide and its active metabolite in plasma samples based on solvent deproteinization and HPLC-DAD analysis				2007	<i>Revue Roumaine de Chimie</i>	8	0.370	Q4	52	5		499	507	3	
73	Medvedovici A., Albu F., Georgita C., Sora D.I., Galaon T., Udrescu S., David V.	Achiral-chiral LC/LC-FLD coupling for determination of carvedilol in plasma samples for bioequivalence purposes	X	X	31	2007	<i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i>		2.441	Q2	850	01-Feb		327	335	22	10.1016/j.jchromb.2006.12.004
74	Sora I., Galaon T., Udrescu S., Negru J., David V., Medvedovici A.	Fast RPLC-UV method on short sub-two microns particles packed column for the assay of tenoxicam in plasma samples		X	32	2007	<i>Journal of Pharmaceutical and Biomedical Analysis</i>		2.831	Q2	43	4		1437	1443	8	10.1016/j.jpba.2006.11.008
75	Albu F., Georgiță C., David V., Medvedovici A.	Determination of glibenclamide in human plasma by liquid chromatography and atmospheric pressure chemical ionization/MS-MS detection		X	33	2007	<i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i>		2.441	Q2	846	01-Feb		222	229	17	10.1016/j.jchromb.2006.09.005
76	David V., Medvedovici A.	Structure-retention correlation in liquid chromatography for pharmaceutical applications				2007	<i>Journal of Liquid Chromatography and Related Technologies</i>		0.827	Q4	30	05-Jul		761	789	20	10.1080/10826070701191052
77	Medvedovici A., David V., David V., Georgita C.	Retention phenomena induced by large volume injection of solvents non-miscible with the mobile phase in reversed-phase liquid chromatography	X			2007	<i>Journal of Liquid Chromatography and Related Technologies</i>		0.827	Q4	30	2		199	213	21	10.1080/10826070601064201
78	Galaon T., Udrescu S., Sora I., David V., Medvedovici A.	High-throughput liquid-chromatography method with fluorescence detection for reciprocal determination of furosemide or norfloxacin in human plasma				2007	<i>Biomedical Chromatography</i>		1.688	Q3	21	1		40	47	21	10.1002/bmc.715

79	Albu F., Georgita C., Tache F., Mutihac L., Medvedovici A., David V.	Considerations on MS/MS detection of bromazepam after liquid chromatographic separation from plasma samples: Application to a bioequivalence study				2007	<i>Journal of Liquid Chromatography and Related Technologies</i>		0.827	Q4	30	18		2699	2715	3	10.1080/10826070701560603
80	David V., Iorgulescu E.-E., Medvedovici A.	Extrapolations by multiple regressions of the retention parameters for several aromatic hydrocarbons in reversed-phase liquid chromatography				2006	<i>Revue Roumaine de Chimie</i>	9	0.370	Q4	51	07-Aug		803	809	1	
81	David V., Bărcuțean C., Georgita C., Medvedovici A.	Non-miscible solvent large volume injection - HPLC/DAD method for determination of butylated hydroxyanisole in lovastatin and simvastatin pharmaceutical formulations				2006	<i>Revue Roumaine de Chimie</i>	10	0.370	Q4	51	5		447	453	7	
82	David V., Medvedovici A.	Partition model applied to the retention process of basic analytes in reversed-phase and ion-pairing liquid chromatography				2005	<i>Revue Roumaine de Chimie</i>	11	0.370	Q4	50	09-Oct		837	843	5	
83	Medvedovici A., Albu F., Georgiță C., David V.	Non-extractive procedure followed by LC/APCI MS/MS analysis of trimetazidine in plasma samples for assessing bioequivalence of immediate/modified release formulations	X	X	34	2005	<i>Biomedical Chromatography</i>		1.688	Q3	19	7		549	555	26	10.1002/bmc.478
84	Medvedovici A., Albu F., David V.	Selection of the retention mechanism for separation of amitriptyline and the main related impurities by liquid chromatography	X			2005	<i>Revue Roumaine de Chimie</i>	12	0.370	Q4	50	3		225	234	3	
85	Albu F., Georgiță C., David V., Medvedovici A.	Liquid chromatography-electrospray tandem mass spectrometry method for determination of indapamide in serum for single/multiple dose bioequivalence studies of sustained release formulations		X	35	2005	<i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i>		2.441	Q2	816	01-Feb		35	40	23	10.1016/j.jchromb.2004.11.002
86	David V., Medvedovici A.	Conditional/non-conditional probabilities and information entropies assigned to high-performance liquid chromatography with diode array and fluorescence detection				2005	<i>Journal of Chemometrics</i>		1.500	Q2	19	1		16	22	2	10.1002/cem.902
87	David V., Medvedovici A., Albu F.	Retention behavior of metformin and related impurities in ion-pairing liquid chromatography				2005	<i>Journal of Liquid Chromatography and Related Technologies</i>		0.827	Q4	28	1		81	95	26	10.1081/JLC-200038592
88	David V., Bărcuțean C., Sora I., Medvedovici A.	Determination of metformin in plasma samples by HPLC-DAD based on plasma derivatization and precipitation with acetic anhydride				2005	<i>Revue Roumaine de Chimie</i>	13	0.370	Q4	50	4		269	276	13	
89	Medvedovici A., Albu F., Georgita C., Mircioiu C., David V.	A non-extracting procedure for the determination of meloxicam in plasma samples by HPLC-DIODE Array Detection	X			2005	<i>Arzneimittel-Forschung/Drug Research</i>		0.701	Q4	55	6		326	331	20	
90	Medvedovici A., David V., Albu F., Farca A.	Retention behavior of amiodarone and some related compounds in reversed-phase liquid chromatography	X			2004	<i>Revue Roumaine de Chimie</i>	14	0.370	Q4	49	9		783	789	1	
91	Medvedovici A., Albu F., Farca A., David V.	Validated HPLC determination of 2-[(dimethylamino)methyl]cyclohexanone, an impurity in Tramadol, using a precolumn derivatisation reaction with 2,4-dinitrophenylhydrazine	X	X	36	2004	<i>Journal of Pharmaceutical and Biomedical Analysis</i>		2.831	Q2	34	1		67	74	15	10.1016/j.jpapna.2003.07.003
92	David V., Albu F., Medvedovici A.	Structure-Retention Correlation of Some Oxicam Drugs in Reversed-Phase Liquid Chromatography				2004	<i>Journal of Liquid Chromatography and Related Technologies</i>		0.827	Q4	27	6		965	984	17	10.1081/JLC-120030172
93	Ionescu M., Galaon T., David V., Medvedovici A.	Determination of glybenclamide in human plasma by high-performance liquid chromatography and diode-array detector				2004	<i>Revue Roumaine de Chimie</i>	15	0.370	Q4	49	03-Apr		351	359	3	

94	Musteață M., Musteață V., David V., Medvedovici A., Gagea B.C., Părvulescu V.I.	Heterogeneous synthesis of amido-type surfactants for bitumenes				2004	<i>Comptes Rendus Chimie</i>		1.877	Q3	7	06-Jul		623	628		10.1016/j.crci.2004.03.003
95	Farca A., David V., Medvedovici A., Ionescu M.	Application of the ion-pair mechanism for the determination of acyclovir in plasma samples by liquid chromatography with fluorescence detection				2003	<i>Revue Roumaine de Chimie</i>	16	0.370	Q4	48	10		781	787	2	
96	Farca A., Tache F., Medvedovici A., David V.	Validation of the assay of metoprolol in human plasma using liquid-liquid extraction and high performance liquid chromatography with fluorescence detection				2003	<i>Chemia Analytyczna</i>		0.520	Q4	48	4		677	688	2	
97	Lovin I., Albu F., Tache F., David V., Medvedovici A.	Solvent and salting effects on sample preparation for the determination of fenofibric acid in human plasma by HPLC-DAD			37	2003	<i>Microchemical Journal</i>		2.746	Q2	75	3		179	187	16	10.1016/S0026-265X(03)00093-6
98	Sandra P., Medvedovici A., Zhao Y., David F.	Characterization of triglycerides in vegetable oils by silver-ion packed-column supercritical fluid chromatography coupled to mass spectroscopy with atmospheric pressure chemical ionization and coordination ion spray				2002	<i>Journal of Chromatography A</i>		3.716	Q1	974	01-Feb		231	241	83	10.1016/S0021-9673(02)01311-0
99	Tache F., Farca A., Medvedovici A., David V.	Validation of a LC-fluorescence method for determination of free captopril in human plasma, using a pre-column derivatization reaction with monobromobimane				2002	<i>Journal of Pharmaceutical and Biomedical Analysis</i>		2.831	Q2	28	03-Apr		549	557	41	10.1016/S0731-7085(01)00687-2
100	Medvedovici A., Lazou K., D'Oosterlinck A., Zhao Y., Sandra P.	Analysis of jojoba oil by LC-coordination ion spray-MS (LC-CIS-MS)	X		38	2002	<i>Journal of Separation Science</i>		2.415	Q2	25	3		173	178	20	10.1002/1615-9314(20020201)25:3<173::AID-JSSC173>3.0.CO;2-K
101	Ionescu M., David V., Medvedovici A.	A non-extraction method for the determination of prothionamide in human plasma samples by high performance liquid chromatography-diode array detector				2002	<i>Revue Roumaine de Chimie</i>	17	0.370	Q4	47	08-Sep		855	860	2	
102	Medvedovici A., Ionescu M., Mircioiu C., David V.	Optimization of a liquid-liquid extraction method for HPLC-DAD determination of penicillin-V in human plasma	X		39	2002	<i>Microchemical Journal</i>		2.746	Q2	72	1		85	92	12	10.1016/S0026-265X(01)00160-6
103	David V., Ionescu M., Tache F., Medvedovici A.	A simple and fast method for the determination of ranitidine in human plasma by HPLC-DAD				2001	<i>Chemia Analytyczna</i>		0.520	Q4	46	6		865	871	2	
104	Tache F., David V., Farca A., Medvedovici A.	HPLC-DAD determination of Metformin in human plasma using derivatization with p-nitrobenzoyl chloride in a biphasic system			40	2001	<i>Microchemical Journal</i>		2.746	Q2	68	1		13	19	60	10.1016/S0026-265X(00)00170-3
105	Medvedovici A., David V., Tache F., David F., Sandra P.	SPE-HPLC-DAD determination of Triton X-100 in perfusable solutions	X		41	2001	<i>Analytical Letters</i>		1.206	Q3	34	9		1477	1486	1	10.1081/AL-100104921
106	David V., Medvedovici A.	Data Evaluation in High-Performance Liquid Chromatography-Diode-Array Detection-Fluorescence Detection by Information Theory				2000	<i>Journal of Chemical Information and Computer Sciences</i>		2.810	Q1	40	4		976	980	4	10.1021/ci990139x
107	Dumitrescu V., Buda W., Medvedovici A.	Evaluation of new stationary phases for capillary gas chromatography				2000	<i>Revue Roumaine de Chimie</i>	18	0.370	Q4	45	4		313	318		
108	Medvedovici A., David V., Sandra P.	Fast analysis of Carbaryl by on-line SPE-SFC-DAD	X			2000	<i>Revue Roumaine de Chimie</i>	19	0.370	Q4	45	9		827	833	3	
109	Medvedovici A., David V., Miron D., Mircioiu C.	Comparison of two sample preparation methods for a HPLC-DAD assay of tolbutamide from human plasma	X		42	2000	<i>Analytical Letters</i>		1.206	Q3	33	11		2219	2230	4	10.1080/00032710008543184
110	Medvedovici A., Mircioiu C., David V., Miron D.S.	Liquid extraction and HPLC-DAD assay of hydrochlorothiazide from plasma for a bioequivalence study at the lowest therapeutic dose	X		43	2000	<i>European Journal of Drug Metabolism and Pharmacokinetics</i>		1.362	Q4	25	2		91	96	31	10.1007/BF03190073

111	Medvedovici A., David F., David V., Sandra P.	Analysis of xanthenes in beverages using a fully automated SPE - SFC - DAD hyphenated system	X		2000	<i>Annali di Chimica</i>		0.991	Q3	90	07-Aug		455	465	6	
112	Maurinsh Y., Rosemeyer H., Esnouf R., Medvedovici A., Wang J., Ceulemans G., Lescrinier E., Hendrix C., Busson R., Sandra P., Seela F., Van Aerschot A., Herdewijn P.	Synthesis and pairing properties of oligonucleotides containing 3-hydroxy-4-hydroxymethyl-1-cyclohexanyl nucleosides			1999	<i>Chemistry - A European Journal</i>		5.160	Q1	5	7		2139	2150	48	
113	Correa R.A., Ferraz V., Medvedovici A., Sandra P., Cerne K., David F.	Positional and configurational separation of fatty acid isomers by micro reversed-phase liquid chromatography with an Ag+-containing mobile phase			1999	<i>Journal of Chromatography A</i>		3.716	Q1	848	01-Feb		83	93	8	10.1016/S0021-9673(99)00465-3
114	Medvedovici A., David V., David F., Sandra P.	Optimization in the formaldehyde determination at sub-PPM level from acetals by HPLC-DAD	X	44	1999	<i>Analytical Letters</i>		1.206	Q3	32	3		581	592	15	10.1080/00032719908542840
115	Lamiri A., Medvedovici A., David F., David V., Sandra P.	Off-line coupling liquid chromatography and capillary gas chromatography - Mass spectrometry for ultratrace determination of deltamethrin in mint oil			1999	<i>Chemia Analytyczna</i>		0.520	Q4	44	6		977	984	1	
116	Dermaux A., Medvedovici A., Ksir M., Van Hove E., Talbi M., Sandra P.	Elucidation of the triglycerides in fish oil by packed-column supercritical fluid chromatography fractionation followed by capillary electrochromatography and electrospray mass spectrometry			1999	<i>Journal of Microcolumn Separations</i>		2.356	Q1	11	6		451	459	30	10.1002/(SICI)1520-667X(1999)11:6<451::AID-MCS7>3.0.CO;2-H
117	David V., Medvedovici A., Tache F.	Information amount obtained at the separation and characterization for some natural fruit oils by CGC-MS technique			1998	<i>Annali di Chimica</i>		0.991	Q3	88	07-Aug		577	585	4	
118	Vasilescu E.M., Medvedovici A., Dumitrescu V.	Chromatographic characterisation of some Roumanian diesel fuels			1998	<i>Revue Roumaine de Chimie</i>	20	0.370	Q4	43	5		473	480	2	
119	Medvedovici A.V., David V., David F., Sandra P.	Analysis of polyaromatic hydrocarbons in water samples, at ppt level, using on-line solid phase extraction-reversed phase liquid chromatography-fluorescence detection	X		1998	<i>Chemia Analytyczna</i>		0.520	Q4	43	1		47	56	4	
120	Medvedovici A., David F., Desmet G., Sandra P.	Fractionation of Nitro and Hydroxy Polynuclear Aromatic Hydrocarbons from Extracts of Air Particulates by Supercritical Fluid Chromatography	X	45	1998	<i>Journal of Microcolumn Separations</i>		2.356	Q1	10	1		89	97	11	10.1002/(SICI)1520-667X(1998)10:1<89::AID-MCS12>3.0.CO;2-H
121	Medvedovici A., Sandra P., Toribio L., David F.	Chiral packed column subcritical fluid chromatography on polysaccharide and macrocyclic antibiotic chiral stationary phases	X	46	1997	<i>Journal of Chromatography A</i>		3.716	Q1	785	01-Feb		159	171	108	10.1016/S0021-9673(97)00585-2
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